

—Saskatchewan Health Research Board—

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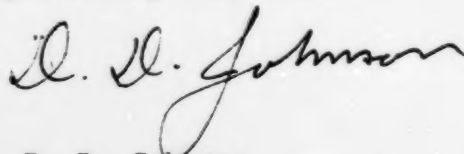
November 1984

The Hon. Graham Taylor
Minister of Health
Room 38
Legislative Building
REGINA, SK
S4S 0B3

Sir:

I beg to present herewith for your consideration the
Annual Report of the Saskatchewan Health Research Board
for the fiscal year ending March 31, 1984.

Respectfully submitted



Dr. D. D. Johnson
Chairman

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1. CHAIRMAN'S STATEMENT

The Saskatchewan Health Research Board came to the end of its initial five-year period of operation during 1983-84. Much of the year was spent planning for a vigorous and expanded future role in the development of the Saskatchewan health research community.

Perhaps the most significant activity of the Board was the completion and submission of the Five Year Plan document conceived during 1982-83. This document was presented to the Minister of Health in November 1983 as a basis for establishing the role and mandate of the SHRB for the coming five years. The major findings of the submission - elaborated on elsewhere in this report - were that Saskatchewan continues to lag behind in health research productivity, but that with an infusion of funds, the SHRB could make a significant contribution to improving circumstances by supporting the talent we have already identified.

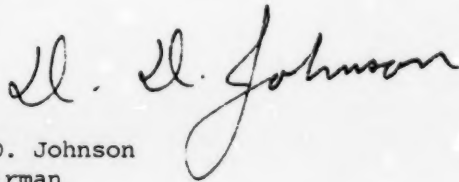
The Board held its fourth competition during 1983-84. In light of the unavailability of increased funding, the Board continued to emphasize the support of new investigators. The major competition was restricted to applicants for personnel awards, establishment grants for new investigators, and venture grants. By applying very strict standards to applications, the Board was able to hold a subsidiary competition in the fall of 1983, which awarded a small number of additional grants.

On February 25, 1984, the Board sponsored a socio-health research conference at the University of Saskatchewan. The conference was convened to identify the interest in socio-health research in the province, and to provide impetus for researchers to cohere into a viable community with a multidisciplinary focus. Both in substantive and numerical terms, the conference was an unqualified success: demand exceeded the supply of 150 places. A Socio-Health Research Steering Group was formed as a result of the conference, and the Board looks forward to impressive developments in the coming years.

The quality of applications continued to improve in all categories in 1983-84. There was a particularly significant oversubscription of the Training Fellowship program, where forty applicants competed for what eventually became only eight awards. It was a particular disappointment

to the Board not to be able to fund all of the qualified Research Fellowship applicants, as these postdoctoral investigators are a significant and inexpensive source of new talent for the province.

In summary, 1983-84 saw the completion of preparations for embarking on what we hope will be an expanded course. The Board has identified both the deficiencies in the Saskatchewan health research scene, and the means of overcoming them. Our competitions have generated far more worthy demand for funding than the supply has been able to meet. During 1984-85 we will continue to discuss and plan for the future. The outcomes of these discussions and negotiations will substantially influence the future course of health research in Saskatchewan.

A handwritten signature in cursive script, reading "D. D. Johnson". The signature is written in dark ink and is positioned above the printed name and title.

D. D. Johnson
Chairman

2. LEGISLATIVE AUTHORITY AND MANDATE

The Saskatchewan Health Research Board (SHRB) was established as a corporate body under the provincial Health Research Act, proclaimed September 15, 1979, to administer the Health Research Fund. The Board was empowered under the Act to "assist and stimulate research in the healing arts and health sciences including:

- the causes, detection, distribution, prevention and management of human illness and disabling conditions;
- health maintenance and health promotion;
- the social, environmental, and biological aspects of the human aging process;
- the utilization of health services."

The Board is to consist of at least six and not more than twelve members appointed by the Lieutenant Governor in Council who are residents of Saskatchewan as follows: two representatives from the health sciences or healing arts in the University of Saskatchewan and one in the University of Regina, one member from the Saskatchewan Department of Advanced Education and Manpower, one representative from the Saskatchewan Department of Health and up to seven others. Both Chairman and Vice-Chairman are designated by the Lieutenant Governor in Council. Appendix 1 lists the members who served on the Board during 1983-84.

3. THE SASKATCHEWAN HEALTH RESEARCH FUND

With the proclamation of the Act, the Saskatchewan Health Research Fund came into being for the purpose of assisting and stimulating research in the healing arts and health sciences. Into that fund, there is to be paid annually out of the consolidated fund, any monies that may be appropriated by the Legislature for the purposes of this Act. The Board received \$750,000 in each of the first five fiscal years through 1983-84. By virtue of an agreement with the Department of Health, the Board has accumulated a capital fund of \$1,560,000 through 1983-84. The remainder of the funds, including interest generated from investments, is available for expenditure on grants and administration. Attached to this report as Appendix 2 are the financial statements which detail the financial transactions of the Board as approved by the provincial auditor's office.

4. COMPETITION AWARDS

4.1 Categories of Awards in the Fourth Competition (1983)

The fourth competition was divided into two sections. The major competition as usual took place in the spring. In light of the Board's financial circumstances and the adverse consequences of soliciting far too many high quality applications to fund, the initial competition advertised for applications in the following categories:

1. Establishment Grants to assist new researchers in becoming established in health research, to a maximum of \$27,500 per annum for up to two years, non-renewable. Grants may be used to hire personnel (technicians, assistants) and/or to purchase equipment and supplies.
2. Venture Grants to be awarded for unusual or innovative research ideas which may not fit into the more traditional categories. Grants of up to \$5,000 may be awarded for one year only for meritorious and creative proposals.
3. Training Fellowships to worthy persons wishing to develop their research careers in Saskatchewan. Awards are normally for periods of up to two years, with renewals permissible in some circumstances. The awards were valued at \$9,600 annually during 1983-84. Applications are accepted from individuals with a meritorious baccalaureate, master's, or equivalent degree, who are planning to undertake research training in Saskatchewan. Applicants intending to train outside Saskatchewan must be willing to make a commitment to return to the province providing suitable employment is available.
4. Research Fellowships for a limited number of individuals with academic distinction who wished to develop their fields of research and to equip themselves for independent investigation in institutions in Saskatchewan. Awards are for periods of up to two years, with an extension to a third year in some circumstances. During 1983-84 the minimum value of the award was \$18,600 annually. Applications are

accepted from individuals with a Ph.D., M.D., D.D.S., D.V.M. or equivalent degree.

5. Research Scholar Awards for exceptionally well-qualified and talented individuals who wish to pursue their independent research investigations on a full-time basis for up to five years.

In the supplementary competition held in the fall of 1983, applications were invited for general research grants. There were virtually no restrictions on applications other than that the investigators could not hold major grants from other health research agencies. In addition, an Equipment Grant category was available to investigators with established research and publication records, who currently held operational research grants.

5. COMPETITION AND REVIEW PROCESS

The guidelines last amended in 1981 were followed by the review committees in 1983-84 (see Appendix 3). In the first (1980-81) competition, the then two review committees together consisted of seven Board members and seven non-members. In the second and subsequent competitions, only the Chairman has been a member of the Board; all others have been recruited from the research community in order to ensure that the process remains autonomous and at arm's length from the Board. Appendix 4 lists the membership of the three review committees for the fourth competition (1983-84).

The review committees follow a system of peer review similar to that used by other granting agencies. Each application in the grants-in-aid category is sent out to one or more external reviewers expert in the subject covered in the proposal. Within the peer review committee itself, individual members become primary reviewers to make in-depth assessments of the scientific merit and relevance of the proposals or the research potential of candidates. After rating and ranking all applications, each committee recommends a cutoff point. These judgments are outlined in a report to the Board.

The Board retains responsibilities to determine the assignment of funds for the competition. To fulfill this function, the Board has to establish priorities to best serve the research needs of the community -- for example, the relative importance of providing advanced training for students; "start-up" grants for newly established investigators; equipment essential for complex projects; and grants to established investigators. The Board retains final authority to make all appropriations after considering the recommendations of its review committees.

6. PROFILE OF THE FOURTH COMPETITION (1983)

6.1 Applications Received

There were 93 applications in the fourth competition - 75 in the initial stage and 18 in the supplementary stage. There were 51 applications for Personnel Awards (40 Training Fellowships, 8 Research Fellowships, 3 Research Scholars), and 42 Research Grant applications (32 Biomedical and 10 Socio-health).

The total amount of money requested by eligible applicants was \$3,282,000.

6.2 Recommendations of Review Committees

Table 1 summarizes the total number of applications received, the recommendations of the review committees, and the ultimate decisions of the Board.

It is important to note that the recommendations by the review committees involved unprecedentedly high standards in anticipation of the Board's stringent financial circumstances. For example:

1. The committee set the cutoff point for Training Fellowship applicants at 7.00 on the ten-point scale. In all other years, the cutoff point has been set at either 5.00 or 6.00. Had the cutoff point been 6.00, 31 Training Fellowship candidates would have been recommended for funding instead of 20.
2. With a cutoff point at 6.00, 7 Research Fellowship candidates would have been recommended for funding instead of the reported 6.

TABLE 1
SUMMARY OF APPLICATIONS, RECOMMENDATIONS, AND ACTUAL GRANTS AWARDED
COMPETITION FOUR (1983)

Category	Applications		Recommended		Funded	
	No.	Amount	No.	Amount	No.	Amount
COMPETITION 4A						
Training Fellowships	40	\$ 768,000	20	\$ 384,000	8	\$ 153,600
Research Fellowships	8	279,000	6	194,600	3	111,600
Research Scholars	3	525,000	-	-	-	-
Biomed. Est. Grants	18	855,099	15	632,785	10	409,543
Socio-Health Est. Grants	<u>6</u>	<u>150,168</u>	<u>2</u>	<u>23,500</u>	<u>2</u>	<u>23,500</u>
COMP. 4A SUB-TOTAL	75	2,577,267	43	1,234,885	23	698,243

COMPETITION 4B						
Biomed. Research Grants	14	564,731	6	229,337	3	144,623
Socio-Health Research Grants	<u>4</u>	<u>140,160</u>	<u>4</u>	<u>91,721</u>	<u>3</u>	<u>64,651</u>
COMP. 4B SUB-TOTAL	18	704,891	10	321,058	6	209,274

GRAND TOTALS	93	3,282,158	53	1,555,943	29	907,517

3. In Competition 4B, the Committee agreed and recorded its opinion that 12 of the 14 applicants for Biomedical Research grants were worthy of funding. Only 6 were recommended in recognition of the small amount of money available.

Had the Committees recommended simply on the basis of quality without recognition of the Board's financial straits, 84 of the 93 applicants - 90.3% - would have been recommended for

funding. This indicates both the increasing caliber of health research applicants in the province, and the inability of the Board to meet anywhere near the legitimate demand.

6.3 Awards Made in the Fourth Competition

The Board awarded \$907,517 in the fourth competition, consisting of 13 Biomedical grants - \$554,166; 5 Socio-Health grants - \$88,151; 8 Training Fellowships - \$153,600; and 3 Research Fellowships - \$111,600. The total amount constitutes an increase of over \$100,000 from the previous year. The increase was possible because of interest earnings, and the recapture of some unspent funds from previous competitions.

7. FIVE YEAR PLAN PREPARATION

During 1982-83 the Board recognized that it would have to respond in a major way to emerging developments in the Saskatchewan Health Research scene. With the increasing quality of applications without an increase in budget, the Board was finding itself faced with far more demand than it could meet. In addition, there was a perception that Saskatchewan health research performance had not kept pace with activities in other provinces, and particularly Manitoba and Alberta.

During 1983-84, the Board developed and refined a Five Year Plan document to submit to the Minister of Health. The purposes of the document were:

1. To identify the level of health research activity in Saskatchewan and Canada;
2. To elaborate on the history of Board activities to date, with an assessment of the prospects for the future;
3. To indicate the kinds of programs the Board thought necessary in order to increase Saskatchewan's health research productivity;
4. To indicate the financial resources essential to building up the health research base in the province.

The document was submitted to the Minister on November 1, 1983. The document has been widely distributed in the Saskatchewan health research community. During 1984-85, discussions and negotiations based on the Five Year Plan will be held in order to assess the Board's future mandate and scope of activities.

The basic conclusion of the Five Year Plan is that the Board needs a secure funding base on which to plan long range activities. The level of funding required in order to make a major impact on the health research community would be in the neighbourhood of \$3 million per year (1983 dollars).

8. SASKATCHEWAN SOCIO-HEALTH RESEARCH CONFERENCE

On February 25, 1984, the Board sponsored a socio-health research conference at the University of Saskatchewan. The conference consisted of a series of plenary sessions in the morning and workshops in the afternoon. Much to the surprise and delight of the Board, registration had to be cut off at 150 due to room capacities.

The Conference was designed to provide an overview of socio-health research opportunities and activities in Saskatchewan, as well as identify those who might be interested in becoming part of a socio-health research community. In the first four competitions, the Board had identified some weakness in the socio-health research community, and particularly a lack of cohesiveness among investigators, many of whom were faced with problems requiring multidisciplinary solutions.

One of the major results of the Conference was the formation of a Socio-Health Research Steering Group charged with developing a plan for organizing the socio-health research community. The Steering Group has been meeting since the Conference, and is considering the most effective ways of building up the investigative talent in the province.

The Conference received a very positive evaluation from those in attendance. In the opinion of the Board, there is clearly a demand for additional socio-health conferences and seminars, perhaps at a more refined and sophisticated level. Should further development occur, the Board can anticipate a substantially greater number of applications of higher quality in future competitions.

9. FUNDS FOR SPECIAL PURPOSES: LOW-LEVEL RADIATION RESEARCH

The Board is empowered under the Act to accept and administer funds for special purposes. The first grant which the Board consented to administer was for "low-level radiation research" from the Government of Saskatchewan.

Previous SHRB annual reports have outlined in detail the origins and purposes of the Low-Level Radiation Research Fund, and the workings of the Radiation Advisory Committee. No new monies have been received by the fund since 1981-82. A review initiated in 1982 has not yet been completed within Government.

As reported in the 1982-83 Annual Report, a number of radiation research activities took place which did not result in actual grants being awarded until April 7, 1983. Consequently, the 1983-84 financial statements indicate expenditures for three projects (see Appendix 7).

APPENDIX 1

MEMBERS OF THE BOARD

(April 1, 1983 Through March 31, 1984)

JOHNSON, Dr. Dennis (Chairman)
Acting Head
Department of Pharmacology
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

MATTHEWS, Dr. Peter
Child & Youth Psychiatry
Ellis Hall
University Hospital
Saskatoon, Saskatchewan

BOAN, Dr. John¹
Department of Economics
University of Regina
Regina, Saskatchewan

PHILIPPON, Dr. Donald
Policy Research & Management
Services Branch
Saskatchewan Health
T. C. Douglas Building
3475 Albert Street
Regina, Saskatchewan

EIDINGER, Dr. David
Department of Microbiology
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

RIDLEY, Dean Una
College of Nursing
University of Saskatchewan
Saskatoon, Saskatchewan

HERD, Ms. Agnes
Health & Social Service Programs
Saskatchewan Advanced Education
& Manpower
1855 Victoria Avenue
Regina, Saskatchewan

ROBERTSON, Dr. Bev²
Department of Physics & Astronomy
University of Regina
Regina, Saskatchewan

HICKIE, Dr. Robert
Department of Pharmacology
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

SIBLEY, Dr. William³
98 Baldwin Crescent
Saskatoon, Saskatchewan

HORLICK, Dr. Lou (Vice-Chairman)
Department of Medicine
University Hospital
Saskatoon, Saskatchewan

SOMMERVILL, Dr. Ronald⁴
402 - 25th Street West
Prince Albert, Saskatchewan

¹ Term began February 6, 1984

² Term began February 8, 1984

³ Term ended February 7, 1984

⁴ Resigned February 1, 1984

APPENDIX 2

FINANCIAL STATEMENTS

AND

THE AUDITOR'S REPORT THEREON

SASKATCHEWAN HEALTH RESEARCH FUND

FINANCIAL STATEMENTS

For the Year Ended March 31, 1984

OFFICE OF THE PROVINCIAL AUDITOR

REGINA, SASKATCHEWAN

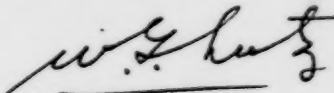
AUDITOR'S REPORT

To the Members of The Legislative Assembly
Province of Saskatchewan

I have examined the balance sheet of the Saskatchewan Health Research Fund as at March 31, 1984 and the statements of revenue, expenditure and fund balance and changes in financial position for the year then ended. My examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1984 and the results of its operations and the changes in its financial position for the year then ended in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Regina, Saskatchewan,
May 31, 1984.


W.G. Lutz, F.C.A.,
Provincial Auditor.

SASKATCHEWAN HEALTH RESEARCH FUNDBALANCE SHEETAs At March 31ASSETS

	1984			1983
	General Fund	Radiation Fund	Combined	
Cash	\$ 93,656	\$ 22,402	\$ 116,058	\$ 13,543
Accrued interest receivable	65,935	1,901	67,836	103,476
Inter-fund receivable (payable)	20,334	(20,334)	-	-
Investments, at cost which approximates market value	2,157,822	430,094	2,587,916	2,435,300
Fixed assets	15,687	-	15,687	15,687
Other assets	1,084	-	1,084	206
	<u>\$2,354,518</u>	<u>\$434,063</u>	<u>\$2,788,581</u>	<u>\$2,568,212</u>

LIABILITIES AND FUND BALANCE

Grants payable	\$ 746,369	\$139,438	\$ 885,807	\$ 597,917
Accounts payable	-	-	-	2,000
	746,369	139,438	885,807	599,917
Equity in fixed assets	15,687	-	15,687	15,687
Fund balance (Statement 2)	<u>1,592,462</u>	<u>294,625</u>	<u>1,887,087</u>	<u>1,952,608</u>
	<u>\$2,354,518</u>	<u>\$434,063</u>	<u>\$2,788,581</u>	<u>\$2,568,212</u>

(See accompanying notes to the financial statements)

SASKATCHEWAN HEALTH RESEARCH FUNDSTATEMENT OF REVENUE, EXPENDITURE AND FUND BALANCEFor the Year Ended March 31

	1984			
	General Fund	Radiation Fund	Combined	1983
Revenue:				
Grant - Department of Health	\$ 750,000	\$ -	\$ 750,000	\$ 750,000
Interest	277,884	46,116	324,000	341,929
Other	3,110	-	3,110	-
Total revenue	<u>\$1,030,994</u>	<u>\$ 46,116</u>	<u>\$1,077,110</u>	<u>\$1,091,929</u>
Expenditure:				
Research grants	873,004	165,000	1,038,004	697,393
Wages and benefits	61,934	-	61,934	64,597
Administrative and operating expenses	10,800	537	11,337	14,275
Honoraria and expenses of the board and/or committees	19,362	1,460	20,822	24,069
Furniture and fixtures	-	-	-	283
Rent	10,534	-	10,534	10,534
Consulting fees	-	-	-	12,580
Administration fee (Note 4)	(20,334)	20,334	-	-
Total expenditure	<u>955,300</u>	<u>187,331</u>	<u>1,142,631</u>	<u>823,731</u>
Excess of revenue over expenditure	75,694	(141,215)	(65,521)	268,198
Fund balance, beginning of year	<u>1,516,768</u>	<u>435,840</u>	<u>1,952,608</u>	<u>1,684,410</u>
Fund balance, end of year - to Statement 1	<u>\$1,592,462</u>	<u>\$ 294,625</u>	<u>\$1,887,087</u>	<u>\$1,952,608</u>

(See accompanying notes to the financial statements)

SASKATCHEWAN HEALTH RESEARCH FUNDSTATEMENT OF CHANGES IN FINANCIAL POSITIONFor the Year Ended March 31

	1984			
	<u>General Fund</u>	<u>Radiation Fund</u>	<u>Combined</u>	<u>1983</u>
Source of funds:				
Grant receipts	\$ 750,000	\$ -	\$ 750,000	\$ 750,000
Interest and other receipts	<u>302,030</u>	<u>60,720</u>	<u>362,750</u>	<u>327,808</u>
	<u>1,052,030</u>	<u>60,720</u>	<u>1,112,750</u>	<u>1,077,808</u>
Application of funds:				
Grants paid	642,675	107,438	750,113	849,115
Other disbursements	<u>91,798</u>	<u>15,708</u>	<u>107,506</u>	<u>127,918</u>
	<u>734,473</u>	<u>123,146</u>	<u>857,619</u>	<u>977,033</u>
Increase in cash and investments	317,557	(62,426)	255,131	100,775
Cash and investments, beginning of year	<u>1,933,921</u>	<u>514,922</u>	<u>2,448,843</u>	<u>2,348,068</u>
Cash and investments, end of year (Note 3)	<u>\$2,251,478</u>	<u>\$452,496</u>	<u>\$2,703,974</u>	<u>\$2,448,843</u>
Comprised of:				
Cash	\$ 93,656	\$ 22,402	\$ 116,058	\$ 13,543
Investments	<u>2,157,822</u>	<u>430,094</u>	<u>2,587,916</u>	<u>2,435,300</u>
	<u>\$2,251,478</u>	<u>\$452,496</u>	<u>\$2,703,974</u>	<u>\$2,448,843</u>

(See accompanying notes to the financial statements)

SASKATCHEWAN HEALTH RESEARCH FUND

NOTES TO FINANCIAL STATEMENTS

March 31, 1984

1. Authority

The Saskatchewan Health Research Fund is a special purpose fund established under the provisions of The Health Research Act and is administered by the Saskatchewan Health Research Board for the purpose of assisting and stimulating research in the healing arts and health sciences. Pursuant to proclamation of the Act, the Fund came into being on September 15, 1979. During 1981 the Board was awarded status as a registered charity under The Income Tax Act.

The Radiation Fund was established in the 1981 fiscal year pursuant to an agreement entered into between the Department of Health and the Saskatchewan Health Research Board under which the Board agreed to administer and allocate monies received from the Department. The agreement also provides that the use of these funds be restricted to radiation research and costs incurred in administering and allocating the funds.

2. Accounting Policies

(a) Fund Accounting

The Saskatchewan Health Research Fund follows fund accounting procedures in which a self-balancing group of accounts is provided for both the General Fund and the Radiation Fund.

(b) Research Grants

The Saskatchewan Health Research Board holds annual competitions through which funds are awarded to successful applicants for terms of up to two years. The Fund follows the policy of recording the grant awards approved and committed during the year as expenditures. At year end, awards which have not been paid to individuals or to institutions administering awards on behalf of researchers but which are still committed for a competition are shown as grants payable on the balance sheet of the Fund. The balance of funds advanced to administering institutions in excess of the current requirements of researchers is held in trust by those institutions until drawn down by the researchers. In the event of the completion or termination of a project, or non-compliance with the terms of an award, the balance of unexpended funds is treated as a reduction of grant expenditure in the year that this is determined. These funds are then available to be awarded for future research.

2. Accounting Policies - (continued)

(c) Fixed Assets

Fixed asset purchases are charged as an expense against operations in the year of purchase and are therefore not depreciated. All fixed asset additions charged to expense are reflected in the statement of revenue, expenditure and fund balance. To reflect accountability for fixed assets in the financial statements, it is necessary to record them as balance sheet assets with a corresponding entry to "Equity in Fixed Assets".

(d) Investments

The Fund records investment transactions at cost.

3. Cash and Investments

In accordance with a request of the Department of Health, the Saskatchewan Health Research Board agreed to retain \$500,000 of the Provincial grant received in each of the first two years, \$250,000 of the grant received in the third year, \$175,000 of the grant received in the fourth year and \$135,000 of the grant received in the current year for the General Fund as invested capital. Accordingly, the Board considers that, of the cash and investments balance at March 31, 1984, \$1,560,000 (1983 - \$1,425,000) is being retained as 'invested capital' of the General Fund.

4. Administration Costs

By resolution of the Board in 1983, the Radiation Fund was charged with an annual fee of 5% of the administrative costs of the General Fund (exclusive of direct costs associated with General Fund research competitions), plus the percentage of these costs calculated by determining the proportion of total grant expenditures in the current year (both Funds) accounted for by the Radiation Fund. The amount of the inter-fund charge is reflected as an administration fee in the financial statements.

5. Commitments

As at March 31, 1984, the Board was committed to a lease agreement for office premises with payments in future years as follows:

1985 - \$10,534
1986 - \$10,534
1987 - \$3,511

APPENDIX 3

SASKATCHEWAN HEALTH RESEARCH BOARD
TERMS OF REFERENCE FOR REVIEW COMMITTEES
(Amended 1981)

1. That the Chairman of each of the three Committees be a Board member.
2. That there be no other Board member serving on any of the Review Committees.
3. That the Chairman of the Committee have a casting vote only in order to break a tie.
4. That the Chairman of each Committee be responsible for the following:
 - a) To select and assign applications to primary reviewers on his Committee;
 - b) Together with the Committee members, the Chairman will select external peer reviewer(s) in Saskatchewan and/or outside the province for each grant-in-aid application;
 - c) The programming, harmonization and chairing of the Review Committee meetings in such a way as to arrive at conclusions and recommendations to the Board within the time frame of the agreed period, i.e., March 15 - May 15;
 - d) The preparation of the report including recommendations of the Committee and presentation of it to the Board.
5. The prime objective and the responsibility of each Committee is to review the grant applications strictly on the basis of their scientific merit. The Committee should also recommend a cutoff point below which no grants would be funded, i.e., recommend a payline.
6. It is strongly emphasized that the deliberations and recommendations of the Committees must always be kept in strict confidence.

APPENDIX 4

GRANTS-IN-AID BIOMEDICAL REVIEW COMMITTEE 1983-84

HORLICK, Dr. Lou (Chairman)
Department of Medicine
University Hospital
Saskatoon, Saskatchewan

JUURLINK, Dr. Bernhard
Department of Anatomy
University of Saskatchewan
Saskatoon, Saskatchewan

BERTRAND, Dr. Helmut¹
Department of Biology
University of Regina
Regina, Saskatchewan

KELLN, Dr. Rod³
Department of Chemistry
University of Regina
Regina, Saskatchewan

DIMMOCK, Dr. Jonathan
College of Pharmacy
University of Saskatchewan
Saskatoon, Saskatchewan

KLAASSEN, Dr. David
Saskatoon Cancer Clinic
University Hospital
Saskatoon, Saskatchewan

DOSMAN, Dr. James
Department of Medicine
Ellis Hall
University Hospital
Saskatoon, Saskatchewan

LAUTT, Dr. W. Wayne
Department of Physiology
University of Saskatchewan
Saskatoon, Saskatchewan

HAMILTON, Dr. Don
Department of Veterinary
Physiological Sciences
University of Saskatchewan
Saskatoon, Saskatchewan

McLENNAN, Dr. Barry
Department of Biochemistry
University of Saskatchewan
Saskatoon, Saskatchewan

INNES, Dr. Peter
Department of Oral Biology
College of Dentistry
University of Saskatchewan
Saskatoon, Saskatchewan

McNEILL, Dr. James⁴
Department of Pharmacology
University of Saskatchewan
Saskatoon, Saskatchewan

JOHNSON, Dr. Gordon²
Department of Pharmacology
University of Saskatchewan
Saskatoon, Saskatchewan

QUALTIERE, Dr. Louis
Department of Microbiology
University of Saskatchewan
Saskatoon, Saskatchewan

¹Served for Competition 4A Only

²Served for Competition 4A Only

³Served for Competition 4B Only

⁴Served for Competition 4B Only

APPENDIX 4A

PERSONNEL REVIEW COMMITTEE 1983-84

EIDINGER, Dr. David (Chairman)
Department of Microbiology
University of Saskatchewan
Saskatoon, Saskatchewan

PEZER, Dr. Vera
Director of Student Counselling
University of Saskatchewan
Saskatoon, Saskatchewan

BAILEY, Dr. Don
College of Physical Education
University of Saskatchewan
Saskatoon, Saskatchewan

STEWART, Dr. Norma
College of Nursing
University of Saskatchewan
Saskatoon, Saskatchewan

DYCK, Dr. Roland
Department of Medicine
University Hospital
Saskatoon, Saskatchewan

STIRLING, Dr. Robert
Department of Sociology
University of Regina
Regina, Saskatchewan

HERTZ, Dr. Leif
Department of Pharmacology
University of Saskatchewan
Saskatoon, Saskatchewan

THORNHILL, Dr. James
Department of Physiology
University of Saskatchewan
Saskatoon, Saskatchewan

KING, Dr. John
Department of Biology
University of Saskatchewan
Saskatoon, Saskatchewan

WILSON, Dr. Tom
Department of Pharmacology
University of Saskatchewan
Saskatoon, Saskatchewan

LYONS YOUNG, Dr. Helen
Department of Psychology
University of Regina
Regina, Saskatchewan

WISHART, Dr. Tom
Department of Psychology
University of Saskatchewan
Saskatoon, Saskatchewan

APPENDIX 4B

GRANTS-IN-AID SOCIO-HEALTH REVIEW COMMITTEE 1983-84

MATTHEWS, Dr. Peter (Chairman)
Child & Youth Psychiatry
Ellis Hall
University of Saskatchewan
Saskatoon, Saskatchewan

FISCHER, Dr. Donald
Department of Psychology
University of Saskatchewan
Saskatoon, Saskatchewan

BAKER, Dr. Harold
Professor of Extension
Associate Member in Continuing Education
University of Saskatchewan
Saskatoon, Saskatchewan

FRITZ, Mr. Wayne¹
Policy Research and Management Services Branch
Saskatchewan Health
T. C. Douglas Building
3475 Albert Street
Regina, Saskatchewan

BOAN, Dr. John
Department of Economics
University of Regina
Regina, Saskatchewan

RICHERS, Mr. Graham²
Assistant Dean of Social Work
Faculty of Social Work
University of Regina
Regina, Saskatchewan

BURY, Dr. John
Saskatoon Community Clinic
455 Second Avenue North
Saskatoon, Saskatchewan

ROBART, Mr. Greg
Director of Administration
Regina Plains Community College
2708 12th Avenue
Regina Saskatchewan

D'ARCY, Dr. Carl
Department of Psychiatry
University Hospital
Saskatoon, Saskatchewan

STEAD, Dr. Stanley
Department of Social and Preventive Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

¹Served for Competition 4B Only

²Served for Competition 4A Only

APPENDIX 5

SASKATCHEWAN HEALTH RESEARCH BOARD AWARDS GRANTED
FOURTH COMPETITION - 1983

TRAINING FELLOWSHIPS

<u>Recipient</u>	<u>Supervisor</u>	<u>Department</u>	<u>Amount</u>
BRAUN, R.P.	LEE, J.S.	Biochemistry U of S	\$ 9,600-83-84 9,600-84-85
CALLAHAN, M.J.	GRANT, P.	Psychology U of S	9,600-83-84 9,600-84-85
FAULKNER, R.A.	BAILEY, D.A.	Physical Education U of S	9,600-83-84 9,600-84-85
FISHER, T.E.	JOHNSON, D.D.	Pharmacology U of S	9,600-83-84 9,600-84-85
HEWITT, P.L.	GENEST, M.	Psychology U of S	9,600-83-84 9,600-84-85
NANSON, J.L.	HISCOCK, M.	Psychology U of S	9,600-83-84 9,600-84-85
PERI, K.G.	WAYGOOD, B.	Biochemistry U of S	9,600-83-84 9,600-84-85
SOHAL, P.S.	ANGEL, J.F.	Biochemistry U of S	9,600-83-84 9,600-84-85

RESEARCH FELLOWSHIPS

GREENSHAW, A.J.	BOULTON, A.A.	Psychiatry U of S	18,600-83-84 18,600-84-85
LEWIS, K.E.	NG, S.	Microbiology U of S	18,600-83-84 18,600-84-85
McDUFFIE, H.H.	DOSMAN, J.A. KLAASSEN, D.	Medicine U of S	18,600-83-84 18,600-84-85

ESTABLISHMENT GRANTS (BIOMEDICAL)

CARRUTHERS, T.D., Veterinary Physiology, U. Saskatchewan	22,950-83-84
The role of inhibin in regulation of reproduction-purification and assay development using monoclonal antibody techniques	23,800-84-85
CHARINGTON, C.B., Biochemistry, U. Saskatchewan	27,500-83-84
Identification and characterization of a neurotransmitter pool of glutamate and aspartate	27,500-84-85

DEVON, R.M., Dentistry, U. Saskatchewan	27,491-83-84
Morphological and immunocytological determination of the origin of "regenerating" oligodendrocytes following experimental allergic encephalomyelitis	25,568-84-85
KENNEDY, L.A., Pharmacology, U. Saskatchewan	27,400-83-84
Pathogenesis of brain abnormalities in the fetal syndrome: an autoradiographical study	
KONCHAK, P.A., Dentistry, U. Saskatchewan	27,500-83-84
The measurement of freeway space by a mandibular kinesiograph before and after transcutaneous electric nerve stimulation in subjects with high and low sella-nasion mandibular plane angles	19,100-84-85
KOTELKO, D.M. Anaesthesia, U. Saskatchewan	27,500-83-84
Pregnancy and cardiotoxicity from local anaesthetics	21,622-84-85
STEISS, J.E., Veterinary Physiology, U. Saskatchewan	17,900-83-84
Skeletal muscle autografts in experimental animals	11,062-84-85
SULAKHE, S.J., Physiology, U. Saskatchewan	20,000-83-84
A morphological and biochemical characterization of the premalignant phase of carcinogenesis in liver and mammary gland	20,000-84-85
WALZ, W., Pharmacology, U. Saskatchewan	8,300-83-84
Ion homeostasis of the mammalian brain at the cellular level. An approach using primary cultures of astrocytes	
WILSON, J.X., Physiology, U. Saskatchewan	27,175-83-84
Mechanisms of action of angiotensin II and corticotropin in the control of aldosterone production by adrenal glomerulosa cells	27,175-84-85

ESTABLISHMENT GRANT (SOCIO-HEALTH)

JENNETT, P.A., Continuing Medical Education, U. Saskatchewan	
A study of the effectiveness of continuing medical education in improving physician performance	18,500-83-84

VENTURE GRANT (SOCIO-HEALTH)

ERVIN, A.M., Anthropology, U. Saskatchewan	5,000-83-84
Socio-cultural aspects of health and medical systems among Southeast Asian refugees in Saskatoon	

SASKATCHEWAN HEALTH RESEARCH BOARD
ADDITIONAL AWARDS MADE IN OCTOBER 1983

D'ARCY, Carl, Dept. of Psychiatry, University Hospital, U.
of S.

After Treatment: An Exploratory Study of Outcomes of
Patients Treated for Psychiatric Problems in Saskatchewan

\$27,500-	\$27,500-
83-84	84-85

GENEST, Myles, Psychology, U. of S.

Coping and Adjustment in Offspring of Alcoholic Males

\$4,651	-
83-84	

WETZEL, Kurt W., Commerce, U. of S.

Hospital Collective Bargaining in Saskatchewan:
Analyses of Bargaining Structure and Union Impact
on Management

\$5,000	-
83-84	

BHAUMICK, Banani, Medicine, U. of S.

Role of Type I and Type II Somatomedin

\$25,725	\$26,498
83-84	84-85

SCHMUTZ, Sheila Marie, Pediatrics, U. of S.

Aconitase - 2: Regional Mapping on Human Chromosome 22
Using Gene Dosage Effect

\$23,000	\$25,300
83-84	84-85

VERBEECK/BLOCKA, Pharmacy, Medicine, U. of S.

Effect of Age on the Disposition of Piroxicam in
Healthy Volunteers and Arthritic Patients

\$21,000	\$23,100
83-84	84-85

APPENDIX 6

MEMBERS OF THE RADIATION ADVISORY COMMITTEE
TO THE SASKATCHEWAN HEALTH RESEARCH BOARD

(April 7, 1983 Through March 31, 1984)

JOHNSON, Dr. Dennis (Chairman)
Acting Head
Department of Pharmacology
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

HICKIE, Dr. Robert
Department of Pharmacology
College of Medicine
University of Saskatchewan
Saskatoon, Saskatchewan

ALDERMAN, Mr. John
Acting Director
Occupational Health & Safety
Branch
Department of Labour
1150 Rose Street
Regina, Saskatchewan

MALIEPAARD, Mr. Hugo
Executive Director
Environmental Information, Co-
ordination & Assessment Service
Saskatchewan Environment
5th Floor
1855 Victoria Avenue
Regina, Saskatchewan

EIDINGER, Dr. David
Professor
Department of Microbiology
University of Saskatchewan
Saskatoon, Saskatchewan

WEST, Dr. Roy
Community Health Services Branch
Saskatchewan Health
T. C. Douglas Building
3475 Albert Street
Regina, Saskatchewan

In addition RAC has retained a consultant to advise on particular areas of health-related radiation research:

BROWN, Dr. L. D.
Chief Radiation Health Physicist
Occupational Health and Safety
Branch
Department of Labour (Saskatchewan)
1150 Rose Street
Regina, Saskatchewan

APPENDIX 7

RAC AWARDS GRANTED DURING THE SECOND COMPETITION

<u>Grantee</u>	<u>Project Title</u>	<u>Award Amount And Duration</u>
BLAKLEY, B.R. Vet. Physiology, U. Saskatchewan	The Effects of Uranium-Mining Contaminants on Urethan-Induced Lung Adenomas	\$ 12,155-82-83* 14,000-83-84
HAYES, S. Microbiology, U. Saskatchewan	Validation of the Bacteriophage Lambda Replicative Killing Assay for Use in Determining the Biolo- gical Effect of Low Levels of Radiation	11,050-82-83*
HOLT, S. Medicine, U. Saskatchewan	Radioimmunolocalisation of Cancer with Monoclonal Antibodies and Peanut Lectin	\$ 51,000-83-84
SWANSON, S. Saskatchewan Research Council	Transfer of Uranium-Series Radionuclides in the Food Chain in Northern Saskatchewan: a) Aquatic Studies b) Botanical Terrestrial Studies	\$ 100,000-83-84

* These amounts appear in the financial statements for 1982-83; the remaining amounts will appear on the 1983-84 financial statements because the final approval from the Board took place April 7, 1983 (i.e. at the beginning of the 1983-84 fiscal year).

POOR

QUALITY

ORIGINAL